

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference ARLS 9B PCT	FOR FURTHER ACTION	See Form PCT/IPEA/416
International application No. PCT/FR2004/000692	International filing date (day/month/year) 22.03.2004	Priority date (day/month/year) 24.03.2003
International Patent Classification (IPC) or national classification and IPC		
Applicant AIRLESSYSTEMS		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of _____ sheets, including this cover sheet.
3. This report is also accompanied by ANNEXES, comprising: a. <input type="checkbox"/> (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows: <input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions). <input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box. b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).
4. This report contains indications relating to the following items: <input checked="" type="checkbox"/> Box No. I Basis of the report <input type="checkbox"/> Box No. II Priority <input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability <input type="checkbox"/> Box No. IV Lack of unity of invention <input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement <input type="checkbox"/> Box No. VI Certain documents cited <input type="checkbox"/> Box No. VII Certain defects in the international application <input type="checkbox"/> Box No. VIII Certain observations on the international application

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/FR2004/000692

Box No. I Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the **elements** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1-13 _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☒ the claims:
- nos. 1-16 _____ as originally filed/furnished
- nos.* _____ as amended (together with any statement) under Article 19
- nos.* _____ received by this Authority on _____
- nos.* _____ received by this Authority on _____
- ☒ the drawings:
- sheets 1/5-5/5 _____ as originally filed/furnished
- sheets* _____ received by this Authority on _____
- sheets* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/FR2004/000692

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement			
Novelty (N)	Claims	1-16	YES
	Claims		NO
Inventive step (IS)	Claims	1-16	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-16	YES
	Claims		NO
2. Citations and explanations (Rule 70.7)			
1. Reference is made to the following document in the present notification:			
D1: US 3 794 223 A (PATEL B) 26 February 1974 (1974-02-26)			
2. Document D1 describes (the references between parentheses apply to this document) a fluid dispenser (see figures 1 to 3) including a container (see figures 1 to 3, reference 22), a dispensing head (see figures 1 to 3, reference 20) mounted on the container and defining a dispensing chamber (see figures 1 to 3, references 46, 54) having a resiliently deformable actuating wall (see figures 1 to 3, reference 60) and communicating with the container via an inlet valve (see figures 1 to 3, references 48, 40) and with the outside via a dispensing port (see figures 1 to 3, reference 58). The inlet valve can be opened by exerting a force (see figures 2 and 3) on the actuating wall of the chamber to cause the fluid to flow out of the container through the inlet valve, the dispensing chamber and the			

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
-----------	---

dispensing port.

3. It follows that the subject matter of claim 1 differs from the fluid dispenser known from document D1 in that the dispensing chamber is in communication with the outside via an outlet valve, and in that a pressure can be generated inside the chamber by exerting a force on the actuating wall thereof, said pressure being sufficient to close the inlet valve and open the outlet valve (see the characterising part).
4. The problem that the present invention is intended to solve can thus be considered to be that of enabling the application of a precise amount of the fluid dispensed from the dispenser outlet (see page 2, lines 4-10 and page 4, lines 17-26).
5. The solution to this problem, as proposed in claim 1 and dependent claims 2 to 16 of the present application, appears to be novel (PCT Article 33(2)), to involve an inventive step (PCT Article 33(3)) (i.e. to be non-obvious), and to be industrially applicable (PCT Article 33(4)).
6. The following points should be noted at the time of entry into the regional phase:
 - 6.1 Contrary to the requirement of PCT Rule 5.1(a)(ii), the relevant prior art disclosed in document D1 has not been indicated in the description, nor has this document been cited.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/FR2004/000692

Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

6.2 To comply with the requirements of PCT Rule 11.13(m), the same features, when denoted by reference signs, should be denoted by the same signs throughout the application. The use of reference signs "277" (see claim 7, line 3), "23" (see claim 7, line 5), "233" (see claim 8, line 5) and "263" (see figure 3) fails to comply with this requirement.